

IN THE CLAIMS

1. (Previously Presented) A computer-implemented method for enforcing policy over a computer network, the method comprising:
defining a template, the template including a first subset of vectors in a topological vector space, the topological vector space including at least one vector not in the template;
assigning a policy to the computer network;
monitoring a content stream on the computer network to construct an impact summary including a second subset of the vectors in the topological vector space; and
enforcing the policy when the impact summary is within a threshold distance of the template.
2. (Original) A method according to claim 1, wherein assigning a policy includes assigning a policy to limit bandwidth on the computer network for content in the content stream within the threshold distance of the template.
3. (Original) A method according to claim 1, wherein assigning a policy includes assigning a policy to limit access to a document on the computer network within the threshold distance of the template.
4. (Original) A method according to claim 1, wherein monitoring a content stream includes monitoring metadata of the content stream.
5. (Original) A method according to claim 1, wherein monitoring a content stream includes:
monitoring a portion of the content stream on the computer network; and
extrapolating how close the entire content stream is to the template from the portion of the content stream.
6. (Canceled)
7. (Previously Presented) A computer-readable medium containing a program operable on a computer to enforce policy over a computer network, the program comprising:

definition software to define a template, the template including a first subset of vectors in a topological vector space, the topological vector space including at least one vector not in the template;

assignment software to assign a policy to the computer network;

monitoring software to monitor a content stream on the computer network to construct an impact summary including a second subset of the vectors in the topological vector space; and

enforcement software to enforce the policy when the impact summary is within a threshold distance of the template.

8. (Original) A program according to claim 7, wherein the assignment software includes assignment software to assign a policy to limit bandwidth on the computer network for content in the content stream within the threshold distance of the template.

9. (Original) A program according to claim 7, wherein the assignment software includes assignment software to assign a policy to limit access to a document on the computer network within the threshold distance of the template.

10. (Original) A program according to claim 7, wherein the monitoring software includes monitoring software to monitor metadata of the content stream.

11. (Original) A program according to claim 7, wherein the monitoring software includes:

monitoring software to monitor a portion of the content stream on the computer network; and

extrapolation software to extrapolate how close the entire content stream is to the template from the portion of the content stream.

12. (Canceled)

13. (Previously Presented) An apparatus for enforcing policy over a computer network, the apparatus comprising:
a computer;

a template stored in the computer, the template including a first subset of vectors in a topological vector space, the topological vector space including at least one vector not in the template;

a policy associated with the template;

a monitor installed in the computer adapted to monitor a content stream in the computer network to construct an impact summary including a second subset of the vectors in the topological vector space; and

a policy enforcer adapted to enforce the policy when the monitor determines the impact summary to be within a threshold distance of the template.

14. (Original) An apparatus according to claim 13, wherein the monitor is adapted to monitor metadata about the content stream.

15. (Original) An apparatus according to claim 14, wherein the metadata about the content stream includes a percentage of the network dedicated to the content stream.

16. (Original) An apparatus according to claim 13, wherein the monitor is adapted to monitor only a portion of the content stream on the computer network and extrapolate how close the entire content stream is to the template from the portion of the content stream.

17. (Canceled)

18. (Canceled)

19. (Canceled)

20. (Canceled)

21. (Previously Presented) A method according to claim 1, wherein enforcing the policy includes:

measuring a distance between the impact summary and the template; and

enforcing the policy if the distance is less than the threshold distance.

22. (Previously Presented) A method according to claim 21, wherein measuring a distance includes using a Hausdorff distance function to measure the distance between the impact summary and the template.

23. (Previously Presented) A program according to claim 7, wherein the enforcement software includes:
measurement software to measure a distance between the impact summary and the template; and
enforcement software to enforce the policy if the distance is less than the threshold distance.

24. (Previously Presented) A program according to claim 23, wherein the measurement software includes measurement software to use a Hausdorff distance function to measure the distance between the impact summary and the template.

25. (Previously Presented) An apparatus according to claim 1, wherein:
the policy enforcer includes a distance measurer to measure a distance between the impact summary and the template; and
the policy enforcer is adapted to enforce the policy if the distance is less than the threshold distance.

26. (Previously Presented) An apparatus according to claim 25, wherein the distance measurer includes a Hausdorff distance measurer to use a Hausdorff distance function to measure the distance between the impact summary and the template.

27. (New) A method according to claim 1, wherein:
defining a template includes defining the template, the template including the first subset of the vectors in the topological vector space, the first subset of the vectors including at least first and second vectors; and
monitoring a content stream includes constructing the impact summary including the second subset of the vectors in the topological vector space, the impact summary including at least third and fourth vectors.

28. (New) A method according to claim 27, wherein enforcing the policy includes:
measuring a distance between the template including the first and second vectors, and the impact summary including the third and fourth vectors; and
enforcing the policy if the distance is less than the threshold distance.

29. (New) A program according to claim 7, wherein:
the definition software includes second definition software to define the template, the template including the first subset of the vectors in the topological vector space, the first subset of the vectors including at least first and second vectors; and
the monitoring software construction software to construct the impact summary including the second subset of the vectors in the topological vector space, the second subset of the vectors including at least third and fourth vectors.

30. (New) A program according to claim 7, wherein the enforcement software includes:
measurement software to measure a distance between the template including the first and second vectors, and the impact summary including the third and fourth vectors; and
enforcement software to enforce the policy if the distance is less than the threshold distance.

31. (New) An apparatus according to claim 13, wherein:
the first subset of the vectors includes at least first and second vectors; and
the second subset of the vectors includes at least third and fourth vectors.

32. (New) An apparatus according to claim 31, wherein:
the policy enforcer includes a distance measurer to measure a distance between the template including the first and second vectors, and the impact summary including the third and fourth vectors; and
the policy enforcer is adapted to enforce the policy if the distance is less than the threshold distance.